

**TITLE: TELEPHONE LINE POWER SUPPLY**

**ABSTRACT OF THE DISCLOSURE**

A telephone line driven power supply and power supply method capable of creating  
5 high yield, low voltage power using power drawn from a telephone line and supplementing  
the low voltage power with power from a battery-powered host device, such as a laptop PC,  
when the voltage level falls below a predetermined voltage level. The telephone line power  
supply includes a polarity guard, a gyrator, an oscillator, a pulse circuit, an inductor, a startup  
circuit, a converter, a shunt regulator, and a combiner circuit. The method includes  
10 supplying line power from power drawn from a telephone line, receiving host power from a  
host device, supplying the line power to an electrical device, and supplementing the line  
power with the host power when the voltage level of the line power falls below a  
predetermined level.